OIPE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/036,542

DATE: 01/19/2002
TIME: 10:50:53

Input Set : A:\PA002P1seqList.txt
Output Set: N:\CRF3\01192002\J036542.raw

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  1 <110> APPLICANT: Birse et al.
  3 <120> TITLE OF INVENTION: 25 Human Prostate and Prostate Cancer Associated Proteins
  5 <130> FILE REFERENCE: PA002P1
C-7 <140> CURRENT APPLICATION NUMBER: US/10/036,542
  8 <141> CURRENT FILING DATE: 2002-01-07
 10 <150> PRIOR APPLICATION NUMBER: PCT/US00/19666
 11 <151> PRIOR FILING DATE: 2000-07-20
 13 <150> PRIOR APPLICATION NUMBER: 60/144,972
 14 <151> PRIOR FILING DATE: 1999-07-21
 16 <150> PRIOR APPLICATION NUMBER: 60/148,681
 17 <151> PRIOR FILING DATE: 1999-08-13
 19 <150> PRIOR APPLICATION NUMBER: 60/149,173
 20 <151> PRIOR FILING DATE: 1999-08-17
 22 <150> PRIOR APPLICATION NUMBER: 60/158,004
 23 <151> PRIOR FILING DATE: 1999-10-06
 25 <150> PRIOR APPLICATION NUMBER: 60/194,689
 26 <151> PRIOR FILING DATE: 2000-04-05
 28 <160> NUMBER OF SEQ ID NOS: 157
 30 <170> SOFTWARE: PatentIn Ver. 2.0
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 33 <211> LENGTH: 733
 34 <212> TYPE: DNA
 35 <213> ORGANISM: Homo sapiens
 37 <400> SEQUENCE: 1
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 39 aattcgaggg tgcaccgtca gtcttcctct tccccccaaa acccaaggac accctcatga    120
 40 tctcccggac tcctgaggtc acatgcgtgg tggtggacgt aagccacgaa gaccctgagg    180
 41 tcaagttcaa ctggtacgtg gacggcgtgg aggtgcataa tgccaagaca aagccgcggg    240
 42 aggagcagta caacagcacg taccgtgtgg tcagcgtcct caccgtcctg caccaggact    300
 43 ggctgaatgg caaggagtac aagtgcaagg tctccaacaa agccctccca acccccatcg    360
 44 agaaaaccat ctccaaagcc aaagggcagc cccgagaacc acaggtgtac accctgcccc    420
 45 catcccggga tgagctgacc aagaaccagg tcagcctgac ctgcctggtc aaaggcttct    480
 46 atccaagcga catcgccgtg gagtgggaga gcaatgggca gccggagaac aactacaaga    540
 47 ccacgcctcc cgtgctggac tccgacggct ccttcttcct ctacagcaag ctcaccgtgg    600
 48 acaagagcag gtggcagcag gggaacgtct tctcatgctc cgtgatgcat gaggctctgc    660
 49 acaaccacta cacgcagaag agcctctccc tgtctccggg taaatgagtg cgacggccgc    720
 50 gactctagag gat                                                      733
 52 <210> SEQ ID NO: 2
 53 <211> LENGTH: 5
 54 <212> TYPE: PRT
 55 <213> ORGANISM: Homo sapiens
 57 <220> FEATURE:
 58 <221> NAME/KEY: Site
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59 <222> LOCATION: (3)
60 <223> OTHER INFORMATION: Xaa equals any of the twenty naturally ocurring L-amino acids
62 <400> SEQUENCE: 2
63 Trp Ser Xaa Trp Ser
64 1 5
66 <210> SEQ ID NO: 3
67 <211> LENGTH: 86
68 <212> TYPE: DNA
69 <213> ORGANISM: Artificial Sequence
71 <220> FEATURE:
72 <221> NAME/KEY: Primer_Bind
73 <223> OTHER INFORMATION: Synthetic sequence with 4 tandem copies of the GAS binding site
74 found in the IRF1 promoter (Rothman et al., Immunity 1:457-468
75 (1994)), 18 nucleotides complementary to the SV40 early promoter,
76 and a Xho I restriction site.
78 <400> SEQUENCE: 3
79 gcgcctcgag atttccccga aatctagatt tccccgaaat gatttccccg aaatgatttc 60
80 cccgaaatat ctgccatctc aattag 86
82 <210> SEQ ID NO: 4
83 <211> LENGTH: 27
84 <212> TYPE: DNA
85 <213> ORGANISM: Artificial Sequence
87 <220> FEATURE:
88 <221> NAME/KEY: Primer_Bind
89 <223> OTHER INFORMATION: Synthetic sequence complementary to the SV40 promter; includes a
90 Hind III restriction site.
92 <400> SEQUENCE: 4
93 gcggcaagct ttttgcaaag cctaggc 27
95 <210> SEQ ID NO: 5
96 <211> LENGTH: 271
97 <212> TYPE: DNA
98 <213> ORGANISM: Artificial Sequence
100 <220> FEATURE:
101 <221> NAME/KEY: Protein_Bind
102 <223> OTHER INFORMATION: Synthetic promoter for use in biological assays; includes GAS
103 binding sites found in the IRF1 promoter (Rothman et al., Immunity
104 1:457-468 (1994)).
106 <400> SEQUENCE: 5
107 ctcgagattt ccccgaaatc tagatttccc cgaaatgatt tccccgaaat gatttccccg 60
108 aaatatctgc catctcaatt agtcagcaac catagtcccg cccctaactc cgcccatccc 120
109 gcccctaact ccgcccagtt ccgcccattc tccgccccat ggctgactaa ttttttttat 180
110 ttatgcagag gccgaggccg cctcggcctc tgagctattc cagaagtagt gaggaggctt 240
111 ttttggaggc ctaggctttt gcaaaaagct t 271
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114 <211> LENGTH: 32
115 <212> TYPE: DNA
116 <213> ORGANISM: Artificial Sequence
118 <220> FEATURE:
119 <221> NAME/KEY: Primer_Bind

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120 <223> OTHER INFORMATION: Synthetic primer complementary to human genomic EGR-1 promoter
121 sequence (Sakamoto et al., Oncogene 6:867-871 (1991)); includes a
122 Xho I restriction site.
124 <400> SEQUENCE: 6
125 gcgctcgagg gatgacagcg atagaacccc gg 32
127 <210> SEQ ID NO: 7
128 <211> LENGTH: 31
129 <212> TYPE: DNA
130 <213> ORGANISM: Artificial Sequence
132 <220> FEATURE:
133 <221> NAME/KEY: Primer_Bind
134 <223> OTHER INFORMATION: Synthetic primer complementary to human genomic EGR-1 promoter
135 sequence (Sakamoto et al., Oncogene 6:867-871 (1991)); includes a
136 Hind III restriction site.
138 <400> SEQUENCE: 7
139 gcgaagcttc gcgactcccc ggatccgcct c 31
141 <210> SEQ ID NO: 8
142 <211> LENGTH: 12
143 <212> TYPE: DNA
144 <213> ORGANISM: Homo sapiens
146 <400> SEQUENCE: 8
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149 <210> SEQ ID NO: 9
150 <211> LENGTH: 73
151 <212> TYPE: DNA
152 <213> ORGANISM: Artificial Sequence
154 <220> FEATURE:
155 <221> NAME/KEY: Primer_Bind
156 <223> OTHER INFORMATION: Synthetic primer with 4 tandem copies of the NF-KB binding site
157 (GGGGACTTTCCC), 18 nucleotides complementary to the 5' end of the
158 SV40 early promoter sequence, and a XhoI restriction site.
160 <400> SEQUENCE: 9
161 gcggcctcga ggggactttc ccggggactt tccgggact ttccgggact ttccatcctg 60
162 ccatctcaat tag 73
164 <210> SEQ ID NO: 10
165 <211> LENGTH: 256
166 <212> TYPE: DNA
167 <213> ORGANISM: Artificial Sequence
169 <220> FEATURE:
170 <221> NAME/KEY: Protein_Bind
171 <223> OTHER INFORMATION: Synthetic promoter for use in biological assays; includes NF-KB
172 binding sites.
174 <400> SEQUENCE: 10
175 ctcgagggga ctttcccggg gactttccgg ggactttccg ggactttcca tctgccatct 60
176 caattagtca gcaaccatag tcccgcccct aactccgccc atcccgcccc taactccgcc 120
177 cagttccgcc cattctccgc cccatggctg actaattttt tttatttatg cagaggccga 180
178 ggccgcctcg gcctctgagc tattccagaa gtagtgagga ggcttttttg gaggcctagg 240
179 cttttgcaaa aagctt 256
181 <210> SEQ ID NO: 11

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188 catggctttt cttcaggtac tgtctcggta tcattctgct aatcattgtt acagaatggt 120
189 gacttcattt gtgctaacag tacaacagca gatttgggtc aggcttaatc taagtgttaa 180
190 ctttttttc tggtgctttt ttggattgat gactgtctca ctttgactat acccatgttt 240
191 tgcatgcaat gactcatgca tggttttctt aactagctaa tattaacaat ttattccata 300
192 taaaaatgga attttgcaac atcctttaat aaggtgaggg aagcatgaac ctcagacttc 360
193 tggcactatt acatagtaag cacatgaagt agtttgataa taaatagcag ttctagtact 420
194 tcacatttca cccgtgtgtg caatgccttt ttctgggggg tgggggtga gggaaaacct 480
195 ggtagtgaat gtgtagttgg ggaataaaga aaagcactaa atcctgccct ttttgtgtgg 540
196 tttccttttg atacaactag gttattcata atgtatacct agaaaagtga aattgaaaat 600
197 accaaaagat gtatcatttt tatttgaatc catcatgcag tgtacatttc agataatttc 660
198 cttcagtctc cagataggag tgtatccaaa catctaattt tatgtgcact gtgtatctta 720
199 tatgaatgtt ttatttttata taccacatgc aaaaatgtcc atatgcacta tttaaatgtt 780
200 ttaaataata tattccttct ttataatgct aaatctatat gagtaccata tttttataag 840
201 tcagtggtct gactggtttc attttagaat taacagctgc ttcaatatgt tattcaatgt 900
202 taatgtttgg ctgtgagtag aatatgtaaa agtggcatgg cagcacttat gctctgtgac 960
203 agtattgtgt gtcatagttg agcagtagct ggtagaatta ggcagttggt gatagtttta 1020
204 ctttggtaca aataaaaact gtatatctat atacaaataa tatatagata tatatgtcca 1080
205 ccagtataat ggcattgctg tgtctggcac ttcattgtac agacttttat aataaaagaa 1140
206 cttgaaagtt ctaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1200
208 <210> SEQ ID NO: 12
209 <211> LENGTH: 1106
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211 <213> ORGANISM: Homo sapiens
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214 ggcacgaggt ttccggttcc cagagtgggg cacagcgagg cgctaggggg aacgctggcc 60
215 tctgaaacta gctctgggac cggggtctgc ggccggcccc tagctggccc cgtctcccat 120
216 ccccagaagg gtattcactg gggattctga gctttggcta ctccagtttc ccacgacacg 180
217 atgttccctt tctacagctg ctggaggact ggactgctac tactactcct ggctgtggca 240
218 gtgagagaat cctggcagac agaagaaaaa acttgcgact tggtaggaga aaagggtaaa 300
219 gagtcagaga aagagttggc tctagtgaag aggctgaaac cactgtttaa taaaagcttt 360
220 gagagcactg tgggccaggg ttcagacaca tacatctaca tcttcagggt gtgccgggaa 420
221 gctggcaacc acacttctgg ggcaggcctg gtgcaaatca acaaaagtaa tgggaaggag 480
222 acagtggtag ggagactcaa cgagactcac atcttcaacg gaagacaatt ttaaccctgt 540
223 gtctgaggag cgtggcaaag tccaagattg tttctacctc tttgagatgg atagcagcct 600
224 ggcctgttca ccagagatct cccacctcag tgtgggttcc atcttacttg tcacgtgagt 660
225 atgccttcct ttatcagaac agaccttcct tccttttgtt tttaaggtca gtaactatat 720
226 ggtggtacat aagcacaaat tgtatgtgta cattatgctg taattgatgg ggataacttt 780
227 ttaaatcctc tggctataaa ataattctgc caggacacag ggctcacgcc tgtaatccca 840
228 gcactttggg aagccaaggc agatggatca cctaaggtca ggagtttgag accaacctga 900
229 ccaacatgat gaaactccgt ctctactaaa aatacaaaat tagccagcac agtggcacat 960
230 gcctgtaatc ccagctactt gggaggctga ggcagtagaa tcacttgaac ctgggaggtg 1020
231 gaggttgcag tgagctgagg tcgcaccatt gcactccagc ctgggcaaca agggcaaaac 1080
232 tccgtctaaa aaaaaaaaaa aaaaaa 1106
234 <210> SEQ ID NO: 13

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tacactgggc tgtccaagca tgttgaagac gtccccgcgt ttcaggccct tggctcactc 180
aatgacctcc agttctttag atacaacagt aaagacagga agtctcagcc catgggactc 240
tggagacagg tggaaggaat ggaggattgg aagcaggaca gccaacttca gaaggccagg 300
gaggacatct ttatggagac cctgaaagac atcgtggagt attacaacga cagtaacggg 360
tctcacgtat tgcagggaag gtttggttgt gagatcgaga ataacagaag cagcggagca 420
ttctggaaat attactatga tggaaaggac tacattgaat tcaacaaaga aatcccagcc 480
tgggtcccct tcgacccagc agcccctac tcctgccacg tgcagcacag cagcctggcc 540
cagcccctcg tggtgccctg ggaggccagc taggaagcaa gggttggagg caatgtggga 600
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gaccgaagac tgggatgcct gtcttgagta gacttggacc caaaaaatca tctcaccttg 780
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ggccgccatg ttgcagcagg atagtaatga tgacactgaa gatgtttcac tgtttgatgc 180
ggaagaggag acgactaata gaccaagaaa agccaaaatc agacatccag tagcatcgtt 240
tttccactta ttctttcgag tcagtgcaat catcgtctat cttctctgtg agttgctcag 300
cagcagcttt attacctgta tggtgacaat tatcttgttg ttgtcgtgtg acttttgggc 360
agtgaagaat gtcacaggta gactaatggt tggcctacgt tggtggaatc acattgatga 420
agatggaaag agccattggg tgtttgaatc tagaaaggag tcctctcaag agaataaaac 480
tgtgtcagag gctgaatcaa gaatcttttg gttgggactt attgcctgtc cagtactgtg 540
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catgggtgtg gtgctacaag gtgccaacct gtatggttac atcaggtgta aggtgcgcag 660
cagaaagcat ttaaccagca tggctacttc atattttgga aagcagtttt taagacaaaa 720
cactggagat gatcagactt cctgaataga gaaagcttat gtgctttgtt acattgggga 780
acaactgaag agattcttga ctcaaccttt tagagcttag tccatgttgc aacgaggagt 840
gttggctttg tttttccact taaaaacttt atttataaaa aggaaaagta gttttcatat 900
taagttttta tttccctttcc agcagttggg gctagaaagt atgtgttggc actagaaaca 960
ttgtcaagat ttgttctgtg gtgtaggtat gcacattcca taggtatgca cacggccatg 1020
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gcattttgat ccatagaaca taggaggatg ttcttagtct gtctcaaagc tctatatgtt 1140
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gaatcatcat agtttaagga atacccagag attgctgctg ttctatttat tttacagaaa 1440
ggrtagctag attgaaagct cttcagtgga ccttgagcta atagatcttt taccactaaa 1500

Use of n and/or Xaa has been detected in the Sequence Listing. Review the Sequence Listing to insure a corresponding explanation is presented in the <220> to <223> fields of each sequence using n or Xaa.

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L:372 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:373 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:376 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:385 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:386 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:559 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21
L:700 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23
L:701 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23
L:728 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23
L:730 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23
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L:732 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23
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L:1179 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36
L:1228 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37
L:1245 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37
L:1310 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39
L:1311 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39
L:1337 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40
L:1386 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42
L:1407 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43
L:1538 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47
L:1551 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47
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L:1593 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48
L:1594 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48
L:1627 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49
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L:1743 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:53
L:1746 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:53
L:1789 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55
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L:1934 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:57
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L:3157 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:88
L:3160 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:88
L:3176 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:89
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L:3281 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:91
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L:3367 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:93
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